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APPLICATION NO.	13	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/068,791 02/06/2002		02/06/2002	Kazuaki Yamaguchi	782_217	7478
25191	7590	06/02/2004		EXAMINER	
BURR & B	ROWN			KACKAR	RAM N
PO BOX 700	58		•		
SYRACUSE, NY 13261-7068				ART UNIT	PAPER NUMBER
				1763	

DATE MAILED: 06/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
		10/068,791	YAMAGUCHI ET AL.					
	Office Action Summary	Examiner	Art Unit					
		Ram N Kackar	1763					
Period fo	 The MAILING DATE of this communication app Reply 	ears on the cover sheet with the c	orrespondence address					
THE N - Extense fit the property of the proper	DRTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. sions of time may be available under the provisions of 37 CFR 1.13 (%) MONTHS from the mailing date of this communication. period for reply specified above, the maximum statutory period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, ply received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).	66(a). In no event, however, may a repty be tin within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status								
1)🖂	Responsive to communication(s) filed on 11 Ma	ay 2004.						
2a)□	This action is FINAL. 2b)⊠ This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositio	on of Claims							
4) Claim(s) 1-8 is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.							
	5) Claim(s) is/are allowed.							
6)🖂	6)⊠ Claim(s) <u>1-8</u> is/are rejected.							
7) 🗌 (Claim(s) is/are objected to.							
8)□ (Claim(s) are subject to restriction and/or	election requirement.						
Application	on Papers							
9)□ T	he specification is objected to by the Examiner	ī.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
1	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)□ T	he oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.					
Priority u	nder 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
	a)⊠ All b)□ Some * c)□ None of:							
•	1. ☐ Certified copies of the priority documents have been received.							
2	2. Certified copies of the priority documents have been received in Application No							
3	3. Copies of the certified copies of the priori	ty documents have been receive	d in this National Stage					
	application from the International Bureau							
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment(
_	of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) 🔲 Notice	of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	te					
3) ∐ Informa Paper l	ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	5) Notice of Informal Page 6) Other:	atent Application (PTO-152)					
S. Patent and Trac		lon Summen	D					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- Claims 1 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Aruga et al (US 5688331).

Aruga et al disclose a susceptor supporting construction of ceramic (Abstract, Fig 8 and Col 2 lines 63-67 and Col 4 lines 31-32) for heating member (Abstract), the inner space of the supporting member communicating with opening of the chamber and a seal between the supporting member and the inner space of the chamber (Col 3 lines 1-4 and Col 7 lines 48-50), a diameter extending portion and a continuous round portion between diameter extending portion and the main supporting member (Fig 8), radial thickness of diameter extending portion being greater than that of the main portion.

 Claims 1, 3-8 are rejected under 35 U.S.C. 102(b) as being anticipated by applicants admitted prior art.

Applicants admitted prior art (AAPA) disclose a susceptor supporting construction of ceramic, for heating member (Abstract), the inner space of the supporting member communicating with opening of the chamber (Fig -6) and a seal between the supporting member and the inner space of the chamber (20), a diameter extending portion (21a) and a continuous round portion between diameter extending portion and the main supporting member (Fig 6),

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radial thickness of diameter extending portion being greater than that of the main portion, straight portion between the round portion and diameter extending portion and substantially same diameter along the entire length of the support member.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Aruga et al (US 5688331).

Aruga et al discloses a round portion between the main portion and diameter-extending portion but do not disclose its dimensions.

The actual dimensions are however designed according to the properties of the susceptor and support member material, size of the susceptor and range of process parameters like temperature and pressure. Therefore they are optimized as per requirement and are held obvious.

6. Claims 3-6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aruga et al (US 5688331) in view of Chen et al (US 6423949).

Aruga et al discloses a round portion between the main portion and diameter-extending portion but do not disclose the straight portion between the round portion and diameter extending portion or another round portion in the susceptor and a parallel portion.

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Chen et al disclose the straight portion between the round portion and diameter extending portion or another round portion in the susceptor and a parallel portion (Fig 4 -Top of 158) and disclose the first wall portion and second wall portion being integral.

Therefore it would have been obvious to one of ordinary skill in the art at the time when invention was made to have a structure like that of Chen et al installed on Aruga et al in order to make the susceptor supported more reliably on a wider area.

Response to Amendment

Applicant's arguments filed 5/11/2004 have been fully considered but they are not persuasive.

Applicant argues that the entirety of the second wall portion or the diameter-extending portion is not joined to the plate assembly. Since Fig 8 clearly shows them being connected it is not necessary that reference should explicitly point it out. It is obvious that there must be some way to keep it in place.

Moreover, making elements integral was held to have been obvious. *Nerwin v. Erlichman* 168 USPQ 177 (PO BdPatApp 1969); *In re Wolfe* 116 USPQ 443 (CCPA 1958); *In re Howard* 150 US 164 (USSC 1893).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ram N Kackar whose telephone number is 571 272 1436. The examiner can normally be reached on M-F 8:00 A.M to 5:P.M.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Mills can be reached on 571 272 1439. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RK

GREGORY MILLS SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700